

Job Risk Analysis																		
Name(s) of Risk Team Members: A. Piper, J. Maraviglia				Point Value → Parameter ↓		1		2		3		4		5				
Job Title: Welder's Helper or Welding Fire Watch				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift				
Job Number or Job Identifier: JRA # 21a				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability				
Job Description: C-AD Technician assisting a welder, <u>OR</u> serving as a Fire Watch for welding				Likelihood (D)		Impossible		Unlikely		Possible		Probable		Multiple				
Training and Procedures List (optional):  Training: Electrical Safety, Fire Watch, Practical Fire Extinguisher, Back Safety, Fall Protection, Compressed Gas Cylinder Safety.  Procedures: ES&H Standard 4.3.0 Cutting & Welding.																		
Approved by: <i>E. Lessard</i> Date: 7-12-04      Rev. #: 1																		
Stressors (if applicable, please list all):				Reason for Revision (if applicable): Standard hazard nomenclature added.						Comments:								
					Before Additional Controls										After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction		
Assist in setting up work area	Electrical hazards	Training (electrical safety) proper selection of PPE, work planning	N	1	2	5	2	20										
Assist in setting up work area	Falls to lower level, such as falling from a ladder or over a railing	Training, fall protection, work planning	N	1	2	5	2	20										
Assist in setting up work area	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Training (back safety, compressed gas cylinder safety) proper selection of PPE, use of hand trucks, dollies..etc, work planning	N	1	2	4	2	16										
Fire Watch	Fire	Fire watch training, practical fire extinguisher training, Cutting/Welding (Hot Work) Permit, Fire/Rescue Group response, BNL ES&H Standard 4.3.0 Cutting and Welding, work planning, working in designated "safe" area, barriers, radio/phone communications, STOP DROP and ROLE technique	N	1	2	2	2	8										

Fire Watch	Eye exposure to UV light, eye exposure to visible light	Safety glasses, work planning, barriers	N	1	2	4	3	24	Hazard-specific safety eyewear: purchased safety goggles which fit up against the face with no gaps (as opposed to having gaps with safety 'glasses'), and which block UV and visible light but still allow individual to see to work area	N	1	2	2	2	8	67%
Assist welder at work area	Being struck by an object, such as a tool falling on a worker from above or flying debris	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, barriers	N	1	2	2	2	8								
Assist welder at work area	Eye exposure to UV light, eye exposure to visible light	Safety glasses, work planning, barriers	N	1	2	4	3	24	Hazard-specific safety eyewear: purchased safety goggles which fit up against the face with no gaps (as opposed to having gaps with safety 'glasses'), and which block UV and visible light but still allow individual to see to work area	N	1	2	2	2	8	67%
Assist welder at work area	Burns	Proper selection of PPE (gloves, safety glasses, safety shoes), work planning, working in designated "safe" area, barriers	N	1	2	2	3	12								
Assist welder at work area	Poisonous gasses	Work planning, ventilation, working in designated "safe" area	N	1	2	3	2	12								
*Risk:	0 to 20		21 to 40			41-60				61 to 80				81 or greater		
	Negligible		Acceptable			Moderate				Substantial				Intolerable		